

NOVEL SEVEN-TRANSMEMBRANE PROTEINS/G-PROTEIN COUPLED
RECEPTORS

ABSTRACT OF THE DISCLOSURE

The present invention relates to newly identified seven-transmembrane proteins, including proteins that function as receptors belonging to the superfamily of G-protein-coupled receptors. The invention also relates to polynucleotides encoding the seven-
5 transmembrane proteins/receptors. The invention further relates to methods using the seven-transmembrane protein/receptor polypeptides and polynucleotides as a target for diagnosis and treatment in seven-transmembrane protein/receptor-mediated and related disorders. The invention further relates to drug-screening methods using the seven-transmembrane protein/receptor polypeptides and polynucleotides to identify agonists
10 and antagonists for diagnosis and treatment. The invention further encompasses agonists and antagonists based on the seven-transmembrane protein/receptor polypeptides and polynucleotides. The invention further relates to procedures for producing the receptor polypeptides and polynucleotides.